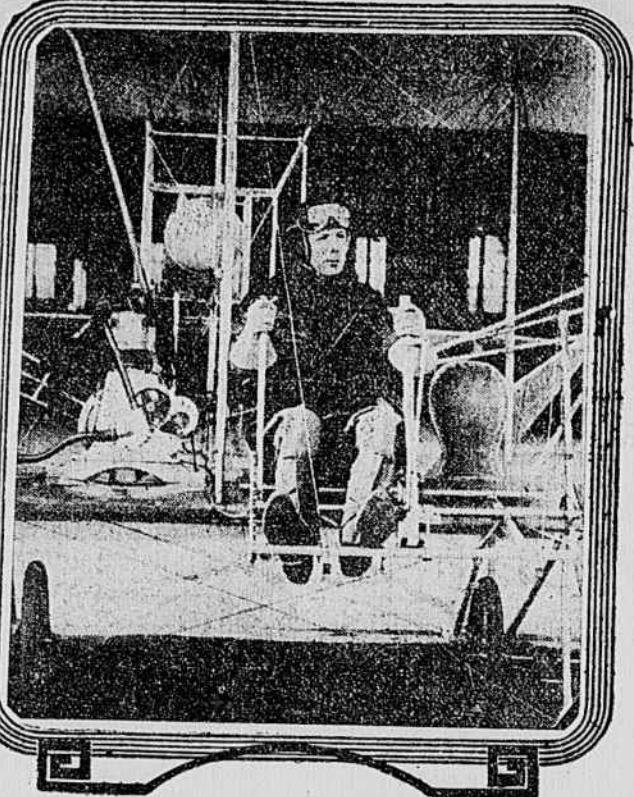
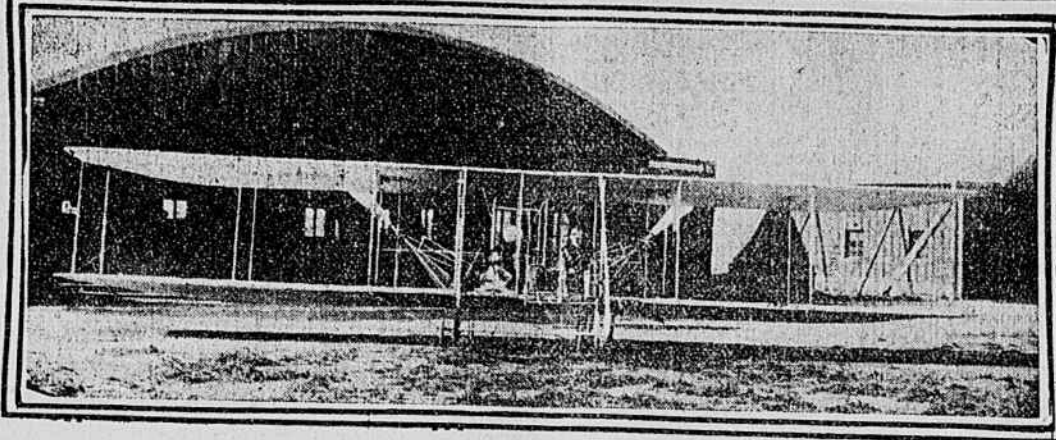


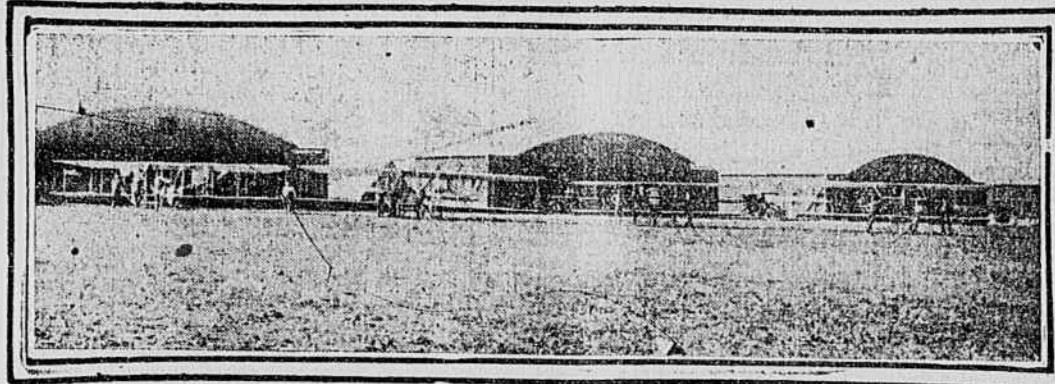
Uncle Sam Is Getting Together Great Army for Sky Duty



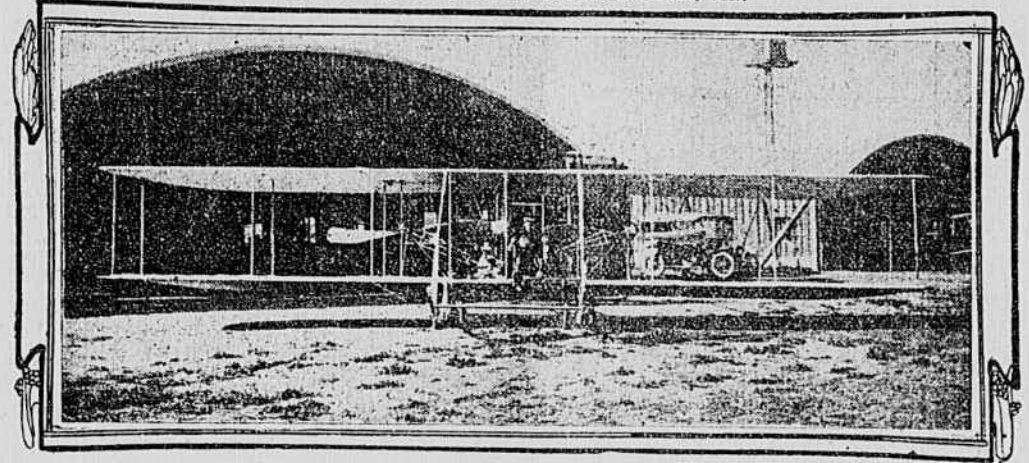
CAPTAIN C. DE F. CHANDLER,
Chief Aviator, United States Army.



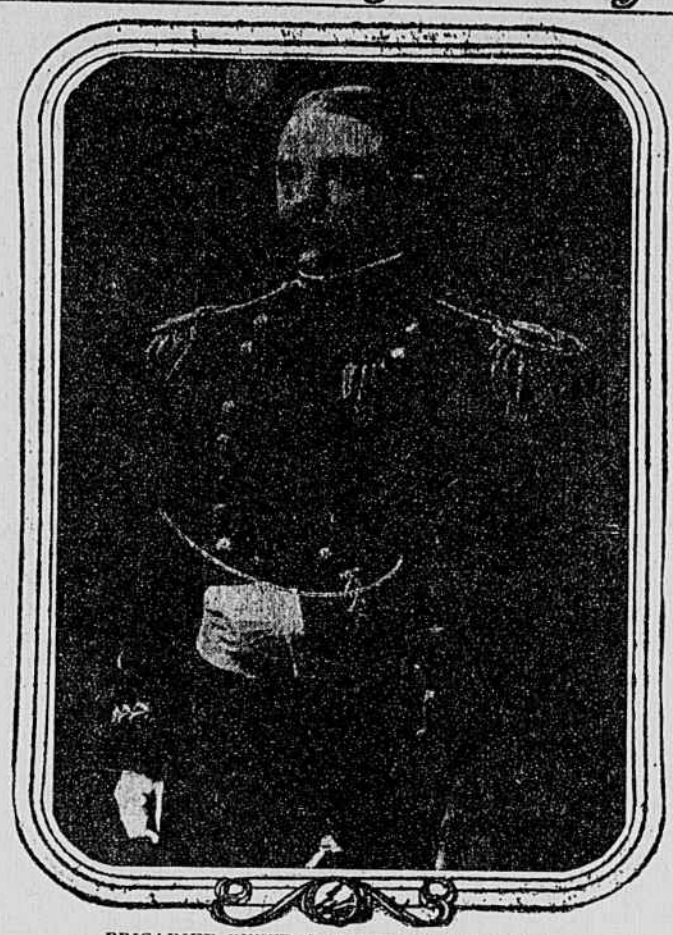
STANDARD WRIGHT BIPLANE, ARMY AVIATION SCHOOL.



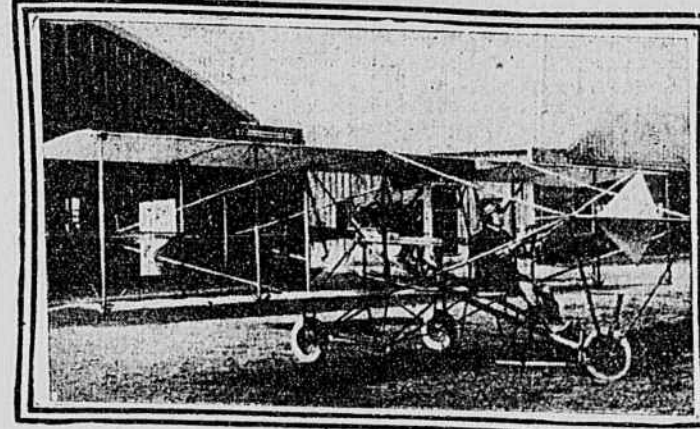
ARMY AVIATION SCHOOL, COLLEGE PARK, MD.



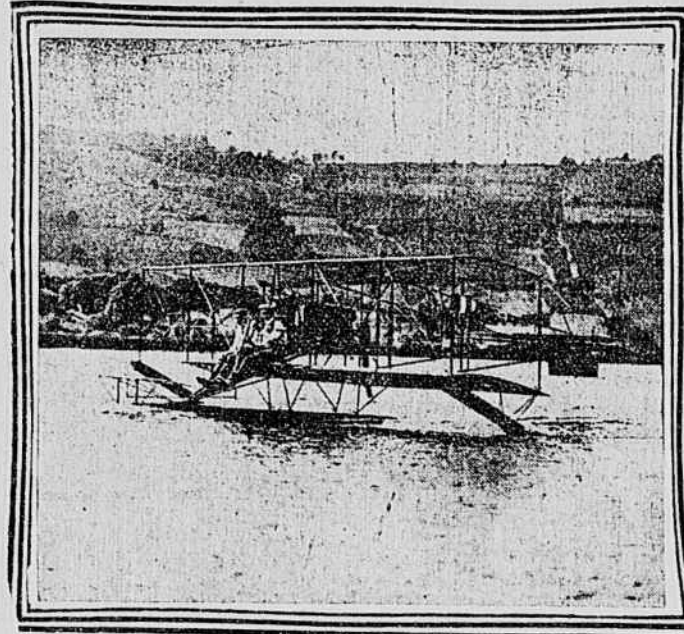
BURGESS-WRIGHT BIPLANE, ARMY AVIATION SCHOOL.



BRIGADIER-GENERAL JAMES ALLEN, U. S. A.



CURTIS BIPLANE, ARMY AVIATION SCHOOL.



Hydro-aeroplane, United States Navy, which will be adopted by army also.

BY JOHN ELFRETH WATKINS.
You may now get your first definite idea as to how our sky army is to be organized and equipped.

It is ready to pass from the experimental to the practical stage. Hitherto you have regarded the performances of our military aviators as feats of spectacular rather than utilitarian, and what pictures you have had of their future functions in actual warfare have been for the most part extravagant phantasies.

The general of our aerial forces today explained to me his plans and ambitions for this new arm of the service. This officer is Brigadier-General James Allen, who for a number of years has been chief signal officer of the regular army. He is a practical man. If he dreams dreams he does not confide them to the hungry journalist. He sees no visions in the empyrean. He will draw you no word pictures of this between aerial cruisers and winged torpedo craft, nor will he tell you how many pounds of dynamite, flung from the heavens, would wipe Greater New York from the face of Mother Earth. He attacks his problems as would the chief engineer of a railroad or a telegraph company. He knows of all the sky duties of every great military nation on earth, and while his plans for our

A LITTLE DANDERINE WILL MAKE YOUR HAIR LUSTROUS, SOFT, FLUFFY, ABUNDANT

Get a 25 Cent Bottle Now and Forever Stop Falling Hair, Itching Scalp and Dandruff

If you Wish to Double the Beauty of your Hair in Ten Minutes surely Try a Danderine Hair Cleanser

Your hair becomes light, wavy, fluffy, abundant and appears a soft, lustrous and beautiful as a young girl's after a Danderine hair cleanser. Just try this moistening cloth with a little Danderine and carefully draw it through your hair, taking one small strand at a time. This will cleanse the hair of dust, dirt and excessive oil and in but a few moments you have doubled the beauty of your hair.

A delightful surprise awaits particularly those who have been careless, whose hair has been neglected or is scraggy, faded, dry, brittle or thin. Besides beautifying the hair at once, Danderine dissolves every particle of dandruff; cleanses, purifies and invigorates the scalp, forever stopping itching and falling hair.

Try as you will, after one application of Danderine you cannot find any dandruff or a loose or falling hair, and your scalp will never itch, but what will please you more will be after a few weeks' use when you will actually see new hair—fine and downy at first—yes—but really new hair sprouting all over the scalp. Danderine makes the hair grow long, heavy and luxuriant and we can prove it. If you care for pretty, soft hair and lots of it surely get a 25 cent bottle of Knowlton's Danderine from any druggist or toilet counter, and just try it.



extra power for long-distance reconnaissance. And there will also be special machines for the field artillery. In addition there will be sixty-four machines and 152 aviators, distributed among fourteen of our continental coast-defense stations. So far we have been considering only the regular army of the United States.

In the Philippines General Allen wants two squadrons, or sixteen machines; in Panama and Hawaii, each one squadron, with eight machines.

Fleet of 120 Machines.
All told, he wants, for the regular army alone, 120 aeroplanes in charge of 255 aviators, and 720 enlisted mechanics. This great establishment would be headed by two colonels, under his command, besides two lieutenant-colonels and eleven majors. At present he has only ten officers for aviation duty, while France already has 500, or three times as many as he asks for—and this despite the fact that our army was the first in the world to develop practical aviation.

France will spend a total of \$6,400,000 for its aerial fleet this year. John Bull in the same time will spend \$1,000,000 on his aviation school, and Germany will buy \$5,000,000 worth of military aeroplanes before the year is over. Within a month the Kaiser will have 250 military aeroplanes, while we now have six. France, in her army alone, has just a hundred times as many of these machines as have we, and England has more than thirteen times as many military aviators as we can boast of.

Our militia, according to General Allen's program, must be equipped with machines distributed among its mobile troops in proportion to one squadron, one on the Great Lakes, one on the Gulf of Mexico and one at some central inland point. In addition, there will be as many auxiliary centres as it may be possible to organize. It is the General's ultimate ambition to have such a school of instruction in each State.

Machine Shops on Wheels.
Other machines besides aeroplanes will enter into the equipment of each flying machine. Each group of eight flying machines will be the unit of our sky force just as the unit of our land force must be a company of trucks. There must be great trucks to carry whole aeroplanes and tractor automobiles to haul these trucks, as well as transport the aeroplane crews in the field.

These heavy automobiles and trucks will carry "aeroplane units," for temporarily sheltering machines separated from the hangars; also repair tools, spare parts and additional supplies of gasoline. General Allen says that it will also be necessary to have attached to each of these squadrons of eight aeroplanes a self-propelled repair shop, which can be moved to any place in the field where a machine may be in distress. This would be always equipped with reserve supplies and a complete set of spare parts for machines in use.

Distributed over the country are to be five training schools, officially known as "centres of aviation," from which our sky soldiers will be continually making test and instruction flights. One of these points will be upon the Atlantic coast, one on the Pacific, one on the Great Lakes, one on the Gulf of Mexico and one at some central inland point. In addition, there will be as many auxiliary centres as it may be possible to organize. It is the General's ultimate ambition to have such a school of instruction in each State.

How a "Centre" Will Look.
You are wondering how these principal aviation schools will appear. The accompanying photograph of the aviation centre already established by General Allen at College Park, near Washington, will give you a partial idea. There will be a wide, level field edged by a line of low-lying hangars—or stables for the aerial steeds; sheds, workshops, storerooms and barracks.

At these centres officers not only of the regular army, but of the militia,

will be trained as aviators, and enlisted men of both forces will be instructed as "aeroplane mechanics." As inventors turn out new aviation devices they will be brought to these points for test. The officers and mechanics will also be systematically employed in studying weather conditions and other atmospheric phenomena in their relations to flying; in sending wireless telegrams from the clouds; in sketching, map drawing and making reconnoissances from aircraft; in dropping projectiles from the heavens, and in accurate firing of

Facts

- A Face Retained.
- Ladies Delight.
- A Freckle Remover.
- B leaches the Skin.
- A labasterlike Effect.
- S smooth, velvety skin.
- T onic for Face Muscles.
- R rejuvenates Your Youth.
- O f Great Beautifying Power.
- L ovelier Facial Appearance.

"ALABASTROL"
In the last two months we sold 1,852 packages of Alabastrol. Why? Because it is the most perfect production of its kind on the market, universally indorsed by users. Removes freckles, sunburn, tan, etc. Allays chafed skin and is the Ideal Combination Cream and Powder. None give that soothing, cooling feeling as Alabastrol, and whose use is so much appreciated. It acts on the face not unlike a refreshing, cooling spring morning. We guarantee it to be satisfactory in every respect.

Mailed to your home in generous-size packages and in plain wrapper for 50 cents silver. No Samples.

The Sillerton Mfg. Co.,
Pueblo, Colorado.

Can Cancer Be Cured? IT CAN

The record of the Kellam Hospital is without parallel in history, having cured to stay cured permanently, without the use of the knife or X-ray, over 80 per cent. of the many hundreds of sufferers from cancer which it has treated during the past fifteen years.

We have been endorsed by the Senate and Legislature of Virginia. We guarantee our cures.

Physicians treated free.

KELLAM HOSPITAL
1617 West Main Street,
RICHMOND, VIRGINIA.

ENGRAVING

Wedding Invitations and Stationery for all special occasions. Samples on request.

Bell Book and Stationery Company,
914 East Main.

A Famous New York Chef Said:
"I could as easily do without flour, in baking, as without Sauer's Extracts."

Unequaled for cakes, ices, custards, puddings, sauces, etc.

SAUER'S VANILLA.

rifles and machine guns from aeroplanes.

Hydro-Aeroplanes Also.
Hydro-aeroplanes—machines that will alight upon, skim over and fly from water as well as land—are also proposed as part of the army's equipment. So far these vehicles have been adopted only by the navy.

The five "centres of aviation" described are not to be called schools, because they will be points for the concentration of squadrons as well as for the instruction of officers and mechanics. No new land and few new buildings will have to be acquired for them.

Our existing army posts will supply all of their needs except those of the eastern centre, which will probably occupy the College Park field, near Washington, already equipped as an aviation school for the army.

This, the first of the series of "aviation centres," is now being taken possession of by ten military aviators, lately moved north from the temporary winter school at Augusta, Ga. The school is in command of Captain Chandler, the army's chief aviator, who has also won honors as a balloonist. He now has in charge one captain and seven lieutenants of regulars, as well as one lieutenant-colonel of the Ohio National Guard. The accompanying photographs show these aviators at work at College Park, as well as the most modern machines lately installed there.

Our Measure Equipment.

The army now has only six aeroplanes in use, but General Allen tells me that he has six more ordered, and hopes to have four others, making a total of sixteen by July 1. The Wright, Burgess-Wright and Curtiss machines already working were bought at an average cost of \$5,000 apiece, but the new machines will be much more powerful and will have an average cost of at least \$1,000 more each. The last five contracted for will be known as "weight-carrying military aeroplanes." They carry two aviators, and before they will be accepted they must prove by trial flights that they can ascend 2,000 feet in ten minutes while carrying a weight of 150 pounds, in addition to four hours' supply of fuel; that their planes will insure a safe gliding angle in case the engine stops; and that they can alight upon or arise from plowed fields. The speed of these heavy machines, with the weight mentioned, must test up to forty-five miles an hour.

More than a mile-a-minute speed, or sixty-five miles an hour, must be attained by a class of "light scouting aeroplanes," for which the general has had specifications drawn. These will carry only one aviator each.

Must Be Physically Perfect.

Physical perfection is demanded by the general of men who seek admittance to the College Park aviation school, or who will apply for training at the four other schools projected. Only commissioned officers of the army and militia need apply, and before they can be admitted these must undergo a rigorous physical examination, proving beyond a doubt that their eyesight is normal, without glasses; that they can estimate distances accurately; that they are not color blind for red, green or violet; that their ears are as sharp as their eyes; that their wind is good, their lungs and hearts perfectly sound, and that they have no diseases of the nervous system or digestive apparatus.

You will be surprised as well as amused at some of the tests prescribed for these candidates. Here, for example, are some devised to detect diseased conditions of the internal ear:

"Have the candidate stand with knees, heels and toes touching. Have the candidate walk forward, backward and in a circle. Have the candidate hop around the room. All these tests should be made with the eyes open and then closed on both feet and then on

one foot hopping forward and backward, the candidate trying to hop or walk in a straight line. Any persistent deviation, either to the right or left, is evidence of a diseased condition of the internal ear." Intestinal disorders tending to produce dizziness are also looked out for very carefully. And there is an elaborate test for precision of the limb movements.

Must Perform Six Feats.

Having run the gauntlet of the examining surgeons, the would-be military aviator must next get used to his Pegasus. This takes some time and is preparatory to the final series of six tests which determine whether he shall receive his certificate from the Secretary of War and see "military aviator" printed after his name in the army register.

Here are the six feats which he must perform before he can receive this degree:

He must fly to an altitude of at least 2,500 feet; make a cross-country flight of ten miles going and ten miles returning; fly five minutes in a fifteen-mile wind; carry a passenger 500 feet up and land him clear within 150 feet of a mark; execute a volplane from 500 feet up with the engine cut off and land within 300 feet of the mark; make a reconnoissance flight of twenty miles at an average height of 1,500 feet and bring back information concerning features of the landscape passed over.

Having thus won his certificate, he will be detailed with one of the aeroplane squadrons and will receive 20 per cent. extra pay while engaged in his perilous profession. And if he cracks his head during such service his widow will be given his full pay for six months, after he turns up his toes. These, at least, are provisions of the

bill now before Congress which makes partial provision for General Allen's general scheme for enlarging our sky army from its present formidable force of ten aviators.

(Copyright, 1912, by John Elfreth Watkins.)

Smooth as a Rose Leaf

Delightfully perfumed
Healthful as fresh air—
so pure it floats—no grit,
Borated. Guaranteed
pure. 10c a box.

Made only by
Talcum Puff Co.
Bush Terminal Building
Brooklyn 22, New York

CHICHESTER'S PILLS

Indigestion, Biliousness,
Constipation, Headache,
Nervousness, etc., etc.
SOLD BY DRUGGISTS EVERYWHERE

LITHIA FONTICELLO WATER

REACHING THE RENTING AGENT



HOUSE HUNTING is made Easy by the use of the Telephone.

Few people realize how much business they can do and how quickly they can do it over the wire. It is not even necessary to be in the same town, because the Long Distance Service of the Bell System brings every one within talking distance.

In all the business and social affairs of life, people put their trust in the Bell Service because it is universal.

Are YOU a subscriber?

SOUTHERN BELL TEL. & TEL. COMPANY OF VIRGINIA.

Every Bell Telephone in the Center of the System.